

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/050599

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H03G3/32 H04M1/82 H04M1/60 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H03G H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 987 106 A (KITAMURA) 16 November 1999 (1999-11-16) column 2, line 30 - column 9, line 13 figures 1,2	1-13
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 108 (E-1045), 14 March 1991 (1991-03-14) & JP 02 312425 A (SEKISUI CHEM CO LTD), 27 December 1990 (1990-12-27) abstract	1-13
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 05, 30 June 1995 (1995-06-30) & JP 07 050710 A (DELTA KOGYO KK), 21 February 1995 (1995-02-21) abstract	1-13
	-/-	

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the International search 19 August 2004	Date of mailing of the International search report 30/08/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (-31-70) 340-3016	Authorized officer Pinilla-Ariza, D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 507 482 A (NOKIA MOBILE PHONES LTD) 7 October 1992 (1992-10-07) column 1, line 36 – column 3, line 47 ----- EP 0 959 608 A (BOSCH GMBH ROBERT) 24 November 1999 (1999-11-24) column 1, line 16 – column 5, line 12 figure 4 -----	1-13
A		1-13

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Information on patent family members

International Application No
PCT/IB2004/050599

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5987106	A	16-11-1999	NONE			
JP 02312425	A	27-12-1990	NONE			
JP 07050710	A	21-02-1995	NONE			
EP 0507482	A	07-10-1992	FI EP JP	87872 B 0507482 A2 5091166 A	13-11-1992 07-10-1992 09-04-1993	
EP 0959608	A	24-11-1999	DE EP	19822370 A1 0959608 A1	25-11-1999 24-11-1999	